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[redacted], N.G., tech.

New kind of soldering tool. Trakt. avtol. i avtomob. prom. 5 no.2 [illegible] (MIRA 15:2)

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MEL'NIKOV, N.G., inzh.

New communications cables with plastic insulation. Transp. stroi. 13 no.2:53 F '63. (MIRA 16:3)
(Electric cables)
(Electric insulators and insulation)

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CHALIKOV, A.A., inzh.; MEL'NIKOV, N.G., inzh.

New book on the mechanization of work in communications cable-laying operations. transp. stroi. 14 no.9:59-60 S '64
(MIRA 18:1)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001033430001-6

MEL'NIKOV, N.I., kand. tekhn. nauk

Concerning the book "Safety measures in coal mines." Ugol' 39 no.3:79 My'64. (MIRA 17:5)

1. Institut gornogo dela im. A.A. Skochinskogo.

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Country : USSR
Category: Virology. Bacterial Viruses (Phages)

E

Abs Jour: Ref Zhur-Biol., No 23, 1958, 103505

Author : Mel'nikov, N. I.
Inst : -
Title : Significance of Bacteriophage in the Complex of Measures for Reduction of the Typhoid Morbidity Rate

Orig Pub: Sb. Bakteriofagiya. Tbilisi, Gruzmedgiz, 1957, 307-313.

Abstract: The results of many years of research by workers of the Ufimskiy Institute of Sera and Vaccines are presented on the use of phage in the fight against typhoid. The effectiveness of phage is shown in the treatment and prophylaxis of the patient's contacts. The use of phage for elimination, bacillary

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MEL'NIKOV, Nikolay Ivanovich; SOKOLOV, N.I., red.; PETROVA, N.K., tekhn. red.

[Pathogens of suppurative diseases and their association]Vozbuditeli gnoinykh zabolevanii i ikh assotsiatsii. Moskva, Medgiz, 1962. 263 p. (MIRA 15:9)
(SUPPURATION) (BACTERIA, PATHOGENIC)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001033430001-6

MEL'NIKOV, N.I., dotsent kandidat tekhnicheskikh nauk; LISICHKIN, V.Ye., inzhener

Indicated efficiency of Soviet high-pressure piston compressors. Khim.prom.no.10:285-288 O'47. (MLRA 8:12)
(Compressors)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001033430001-6

KAUFEL'DT, K.T.; MEL'NIKOV, M.I.

Two-way amplifier without differential connections using semiconductor triodes. Elektrosviaz' 10 no.1:56-61 Ja '56.
(MLRA 9:5)

(Telephone) (Semiconductor triodes)

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PHASE I BOOK EXPLOITATION 940

Moscow. Nauchno-issledovatel'skiy institut gorodskoy i sel'skoy telefonnoy svyazi

Novyye raboty v oblasti provodnoy svyazi; informatsionnyy sbornik (New Works in the Field of Wire Communication; Collection of Information) Moscow, Svyaz'izdat, [1957] 85 p. (Tekhnika svyazi) 10,500 copies printed.

Resp. Ed.: Golubtsov, I.Ye.; Ed.: Bogacheva, G.V.; Tech. Ed.: Shefer, G.I.

PURPOSE: This brochure is addressed to specialists interested in recent developments in the field of wire communication.

COVERAGE: The monograph is a collection of five articles written by members of the staff of NIITS--Nauchno-issledovatel'skiy institut gorodskoy i sel'skoy telefonnoy svyazi (Scientific Research Institute of Urban and Rural Telephone Communications) of the Ministry of Communications of the USSR. The articles discuss new, contactless devices for telephone switching and triode transistor amplifiers for use in telephone networks. They conduct calculations for optimal dimensions of A-F coils with a toroidal core and offer formulas and a nomogram for quick calculation of the operating phase constant of complex circuits, which can be represented in the form of cascaded, relatively simple four-pole networks.

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There are 20 references, of which 16 are Soviet (including 4 translations), 3 English, and 1 German. The references appear at the end of each article.

TABLE OF CONTENTS:

Preface 3

1. Koblents, Ya.G. and Yakovenko, D.A. Contactless Ferroresonance Devices 4

The article discusses experimental research and new developments in contactless automatic telephone switching devices and reviews the defects of earlier contactless ferroresonance devices. NIITS has developed new contactless ferroresonance devices in which attempts were made to eliminate these defects. The authors discuss the basic ferroresonance circuit and the effect of harmonic current and voltage components on voltage gradient. Some of the merits of these devices consist in their high-speed operation, small size, high voltage gradient, very long service life, and the fact that cheap semiproducts can be used in their fabrication, thus making them much cheaper than similar devices based on vacuum tubes or transistors. They have the disadvantage of requiring a high-frequency a-c power supply, they are dependent on supply-current frequency, and have a relatively high energy consumption.

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The devices presented can also be used in other branches of communications, automation and remote control.

2. Kaufel'dt, K.T., and Mel'nikov, N.I. Bidirectional Series-type Transistorized Triode Amplifier for Urban and Suburban Telephone Networks 22

The authors describe a bidirectional transistorized amplifier circuit (with no differentiation system), which acts as a negative impedance in correcting communication line attenuation. The amplifier circuit together with the transmission channel form a positive feed-back system. Tests of such equipment made over a period of ten months on the Moscow and Leningrad telephone networks have given favorable results and demonstrated the advantages of using transistors. However, a serious defect of this method of correcting line attenuation consists in the impossibility of matching a series-type amplifier with the line. The authors suggest the use of quadripole circuits consisting of negative impedance to make the matching possible.

3. Rabkin, L.I., and Novikova, Z.I. Design of Coils With Shell-type and Toroidal Cores 40

This article explains the calculation of optimal dimensions of coils with toroidal cores designed for operation in the audio-frequency range,

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and offers a method for calculating minimum volume (for a given Q-factor and inductance) of a coil with shell-type and toroidal cores. As the basis for their calculations the authors assumed a constant ratio of the inner and outer coil diameters. The article discusses the following specific phases of the problem: the principle of calculating induction coil Q-factor; calculation by the H.A. Stone method of optimal ratio of dimensions of shell-type cores for audio-frequencies; calculation of the optimal ratio of dimensions of toroidal cores for audio frequencies; method of calculating the Q-factor of a coil, taking into account winding hysteresis eddy-current and initial losses. Examples of these calculations are given.

4. Gel'mont, Z.Ya. Narrow-band Quartz Filters for the 1 to 10 MC Range 65

NIITS has developed narrow-band quartz filters for the 1 to 10 mc range for cable multiplexing. These filters are needed for separating the currents of the control frequencies which actuate the automatic level control, and the currents of the group converter carrier frequencies. Formulas are given for designing the filter elements, the adapters, and for calculating circuit parameters. This method of designing filters has been tested experimentally.

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5. Shtager, V.V. Nomogramic Method of Calculating the Operating Phase Constant 76

The author proposes a nomographic method for calculating with a minimum loss of time, the operating phase constant of complex networks which can be represented as relatively simple, stage-connected quadripoles. This method would supplement the M.G. Tsimbalistiy method. After explaining the calculation of the transmission phase constant, the author provides a formula for constructing the nomogram shown in Fig. 4. The author explains how this nomogram is used and gives an example of actual calculation of the operating phase constant for a network of stage-connected low-frequency filters.

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MEL'NIKOV, N. I.

"New Method of Evaluating the Quality of Bread," Gig. i San., No. 5, 1949.
Mbr., Khar'Khov State Selection Sta., -c1949-.

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1. MEL'NIKOV, N. I.

2. USSR (600)

4. Seed industry

7. Develop high-grade varieties of wheat. Sel. i sem. 19, No. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

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MATRONIN, S.V.; LISICHKIN, V.Ye.; MEL'NIKOV, N.I.; RUMYANTSEV, V.A., dots., retsenzent; MAKOVSKIY, G.M., inzh., red.;

[Testing compressing machines] Ispytanie kompressornykh mashin. Moskva, Izd-vo "Mashinostroenie," 1964. 182 p. (MIRA 17:7)

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MEL'NIKOV, Nikolay Ivanovich; LINDENAU, Nikolay Ivanovich; RATNIKOVA, A.P., red.izd-va; SHKLYAR, S.Ya., tekhn.red.

[Use of anchor bolting for mine supports] Opyt primeneniia ankernoi krepi. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1959. 125 p. (MIRA 13:1)
(Mine roof bolting)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001033430001-6

LINDENAU, N.I.; MEL'NIKOV, N.I.

Experience in the use of anchor bolting in development workings of Kuznetsk Basin "Kapital'naia-1" mine. Ugol' 35 no.5:32-34 My '60. (MIRA 13:7)

(Kuznetsk Basin—Mine roof bolting)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001033430001-6

MEL'NIKOV, N. I., CAND TECH SCI, "~~INVESTIGATION~~ study OF EFFECTIVE METHODS OF the MINING OF COAL BEDS OF THE KUZNETS BASIN by means of ~~USING~~ ANCHOR TIMBERING." MOSCOW, 1961. (MIN OF HIGHER AND SEC SPEC ED RSFSR, MOSCOW MINING INST IM I. V. STALIN). (KL, 3-61, 218).

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MEL'NIKOV, N.I.

Studying the carrying capacity of anchor props and selecting their parameters. Fiz.-mekh.svois.,dav.i razr.gor.porod no.1:177-[illegible] '62. (MIRA 16:3)

(Mine timbering)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001033430001-6

Mel'nikov, N.I.

MARKOV,D.A.; MEL'NIKOV, N.I.

Work of the White Russian Society of Physiotherapists and Specialists in Resort Therapy. Vop.kur., fizioter. i lech.fiz.kul't. 22 no.3: 93-94 My-Je '57. (MIRA 11:1)

1. Predsedatel' pravleniya Belorusskogo obshchestva fizioterapevtov i kurortologov, deystvitel'nyy chlen Akademii nauk BSSR (for Markov); 2. Sekretar' pravleniya Belorusskogo obshchestva fizioterapevtov i kurortologov (for Mel'nikov)
(PHYSICAL THERAPY)
(HEALTH RESORTS, WATERING PLACES, ETC.)

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MARKOV, D.A., MEL'NIKOV, N.I.

Work of the White Russian Society of Physical Therapists and Resort Specialists in 1957. Vop.kur.fizioter. i lech.fiz. kul't. 23 no.4:383 Jl-Ag '58 (MIRA 11:8)
(WHITE RUSSIA--THERAPEUTICS, PHYSIOLOGICAL--SOCIETIES)

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MARKOV, D.A., prof.; MEL'NIKOV, N.I.

Work of the White Russian Society of Physical Therapists and Health Resort Specialists in 1958. Vop. kur., fizioter. i lech. fiz. kul't. 24 no. 4:373-374 Jl-Ag '59. (MIRA 13:8)

1. Predsedatel' Belorusskogo Obshchestva fizioterapevtov i kurrortologov (for Markov). 2. Sekretar' Belorusskogo Obshchestva fizioterapevtov i kurortologov (for Mel'nikov).
(WHITE RUSSIA—THERAPEUTIC SOCIETIES)

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MARKOV, D.A.; MEL'NIKOV, N.I.

Work of the White Russian Society of Physical Therapists and Health Resorts Specialists in 1959. Vop. kur. fizioter. i lech. fiz. kul't. 25 no. 3:284 My-Je '60. (MIRA 14:4)

1. Predsedatel' Belorusskogo obshchestva fizioterapevtov i kurortologov (for Markov). 2. Sekretar' Belorusskogo obshchestva fizioterapevtov i kurortologov (for Mel'nikov).
(WHITE RUSSIA—PHYSICAL THERAPY)

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MEL'NIKOV, N.I.

Some histological characteristics in antirabic paralysis. Dokl. AN BSSR 7 no.9:635-637 S '63. (MIRA 17:1)

1. Belorusskiy gosudarstvennyy nauchno-issledovatel'skiy institut nevrologii, neyrokhirurgii i fizioterapii. Predstavleno akademikom AN BSSR D.A. Markovym.

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MELNIKOV, N.N., inz.

Use of dreg-line excavators in coal mines. Uhli 4 no.1:32-34 Ja '62.

1. Rudny, Kustanajska oblast, SSSR.

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MEL'NIKOV, N.N., gornyy inzh.

Using draglines to speed up mine construction and stripping operations.
Gor. zhur. no.7:9-14 Jl '62. (MIRA 15:7)

1. Sokolovskiy rudnik, g. Rudnyy.
(Kustanay Province—Excavating machinery)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001033430001-6

MEL'NIKOV, N.N., gornyy inzh.

New system of dumping operations with the use of draglines. Ugol' 36 no.12:36-38 D '61. (MIRA 14:12)

1. Sokolovskiy rudnik Sokolovsko-Sarbayskiy gornoobogatitel'nyy kombinat, g. Rudnyy.
(Strip mining)
(Excavating machinery)

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MEL'NIKOV, N.N., gornyy inzh.

Conference on open pit mining in Armenia. Gor.zhur. no.2:78 F '64. (MIRA 17:4)

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ACC NR: AP6009419 SOURCE CODE: UR/0020/66/166/006/1326/1327

AUTHORS: Zhitnikov, R. A.; Mel'nikov, N. I.

ORG: Physicotechnical Institute im. A. F. Ioffe, Academy of Sciences, SSSR (Fiziko-tekhnicheskiy institut Akademii nauk SSSR)

TITLE: Optical absorption spectra of silver atoms stabilized in different matrices at 77K

SOURCE: AN SSSR. Doklady, v. 166, no. 6, 1966, 1326-1327

TOPIC TAGS: silver, light absorption, absorption spectrum, aqueous solution, optic transition, line splitting, electron capture

ABSTRACT: The authors report the first results of an investigation of the optical absorption of stabilized silver atoms, which were obtained earlier (Fiz. tverd. tela v. 7, no. 7, 1965) by x-ray irradiation of frozen alcohol and water solutions of silver salts. The alcohol solutions were frozen by immersing a quartz test tube with solution directly in the liquid nitrogen, while the aqueous solutions were obtained by first freezing in a household refrigerator and then

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dropping the frozen samples in liquid nitrogen. Both the irradiation and spectral measurements were made at 77K. The spectra disclose two lines connected with the transitions $^2S_{1/2}$ $^2P_{1/2}$ and $^2S_{1/2}$ $^2P_{3/2}$ in the free neutral atoms of silver. The spectra obtained with different matrices exhibit great similarity, but still disclose certain differences connected with the differences between the matrices. The wavelengths and the half-widths of the different spectral lines are listed in a table. Stabilization produces several doublets and triplets in individual spectra. The presence of the doublets and triplets is probably connected with the stabilization of the silver atoms in several different capture places present in a single matrix. The presence of such different types of capture places was already established in the earlier investigation. Certain theoretical explanations for the line splitting are proposed, but quantitative deductions must await further data obtained with the aid of paramagnetic resonance. This report was presented by Academician B. P. Konstantinov. Orig. art. has: 1 figure and 1 table.

SUB CODE: 20/ SUBM DATE: 21Jun65/ ORIG REF: 001/ OTH REF: 004

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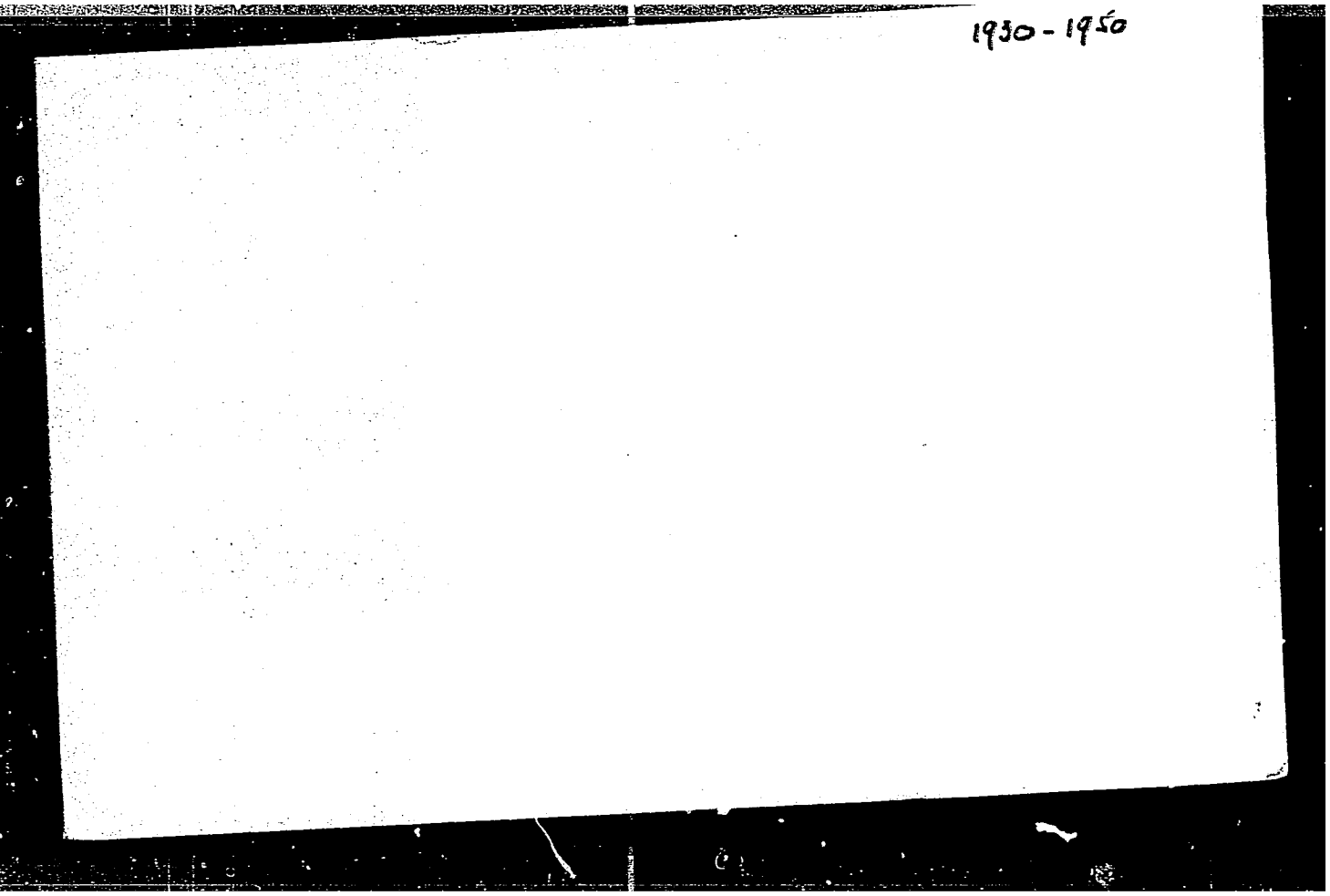

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